



align output for Human T-bet SEQ ID NO:2 vs. Mouse T-bet SEQ ID

NO:4

[ISREC-Server] Date: Thu Nov 9 21:13:42 Europe/Zurich 2006

./wwwtmp/lalign/.12900.1.seq : 535 aa

ALIGN calculates a global alignment of two sequences
 version 2.0u Please cite: Myers and Miller, CABIOS (1989) 4:11-17
 Human T-bet SEQ ID NO:2 535 aa vs.
 Mouse T-bet SEQ ID NO:4 530 aa
 scoring matrix: BLOSUM50, gap penalties: -14/-4
 86.9% identity; Global alignment score: 3326

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      10      20      30      40      50      60
./wwwt MGIVEPGCGDMLTGTEPMPSDEGRAPGADPQHRYFYPEPGAQDADERGGGSLGSPYPG
      .....
Mouse  MGIVEPGCGDMLTGTEPMP-SDEGRGPGADQQHRRFFYPEPGAQDPTDRRAGSSSLGTPYSG
      10      20      30      40      50

      70      80      90     100     110     120
./wwwt GALVPAPPSRFLGAYAYPPRPQAAGFPGAGESFPPPPADAEGYQPGEGYAAPDPRAGLYPG
      .....
Mouse  GALVPAAPGRFLGSFAYPPRAQVAGFPGPGGEFFPPPGAEGYPPVDGYAPDPRAGLYPG
      60      70      80      90     100     110

      130     140     150     160     170     180
./wwwt PREDYALPAGLEVSGKLRVALNNHLLWSKFNQHQTEMIITKQGRRMFPFLSFTVAGLEPT
      .....
Mouse  PREDYALPAGLEVSGKLRVALSNHLLWSKFNQHQTEMIITKQGRRMFPFLSFTVAGLEPT
      120     130     140     150     160     170

      190     200     210     220     230     240
./wwwt SHYRMFVDVVLVDQHHWRYQSGKWVQCGKAEGSMPGNRLYVHPDSPNTGAHWMRQEVSF
      .....
Mouse  SHYRMFVDVVLVDQHHWRYQSGKWVQCGKAEGSMPGNRLYVHPDSPNTGAHWMRQEVSF
      180     190     200     210     220     230

      250     260     270     280     290     300
./wwwt KLKLTNNKGASNNVTQMIVLQSLHKYQPRRLHIVEVNDGEPEAACNASNTHIFTFQETQFI
      .....
Mouse  KLKLTNNKGASNNVTQMIVLQSLHKYQPRRLHIVEVNDGEPEAACNASNTHVFTFQETQFI
      240     250     260     270     280     290

      310     320     330     340     350     360
./wwwt AVTAYQNAEITQLKIDNNPFAKGFRENFESMYTSVDTSPSPPGPNCQFLGGDHYSPLLP
      .....
Mouse  AVTAYQNAEITQLKIDNNPFAKGFRENFESMYASVDTSPSPPGPNCQLLGGDFPSPLLS
      300     310     320     330     340     350

      370     380     390     400     410     420
./wwwt NQYPVPSRFYPDLPGQAKDVVPQAYWLGAPRDHSYAEFRAVSMKPAFLPSAPGPTMSYY
      .....
Mouse  NQYPVPSRFYPDLPGQPKDMISQPYWLGTPREHSYAEFRAVSMKPTLLPSAPGPTVPYY
      360     370     380     390     400     410

      430     440     450     460     470     480
./wwwt RGQEVLPAGAGWPVAPQYPPKMGPASWFRPMRTLPMEPGPGGSEGRGPEDQGPPPLVWTEI

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Mouse  RGQDVLAPGAGWPVAPQYPPKMSPAGWFRPMRTLPMDPGLGSSEEQG---SSPSLWPEV
      420      430      440      450      460      470

      490      500      510      520      530
./wwwt APIRPESDSDGLGEGDSKRRRVSPYPSSGDSSSPAGAPSPFDKEAEGQFYNYFPN
      . . . . .
Mouse  TSLQPEPSDSDGLGEGDTKRRRISPYPSGDSSSPAGAPSPFDKETEGQFYNYFPN
      480      490      500      510      520      530

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